

OPERATING INSTRUCTIONS

**MAKEUP LIGHT SPL 55-2 LED**  
**(MK3)**



**1. General information**

The makeup light SPL 55-2 LED for professional use in theatres as well as film and TV production is optimally designed for the requirements of the working environment of makeup. Each light comes with 84 high quality LEDs with colour temperatures of 2700K and 6500K. This guarantees a good assessment of the make-up result for the planned lighting situation on stage, in the studio or film set. The Colour Rendering

Index (CRI) is around 93 and especially R9 (red) is around 83. Both colour temperature and brightness are specifically and continuously adjustable. The dimming function of the light allows adjustment of the overall brightness to the respective working environment. Our special dimming technology use no PWM frequencies and follows the newest standard.

## 2. Installation

The installation and especially the electrical connection of the light may only be carried out by a specialist (trained electrician). To mount the light, the acrylic lamp shade and the reflector with the LED lamp must be removed. While doing so, carefully remove the plug connector from the LED lamp. The lamp can then be fixed in the appropriate mounting position with 2 screws. The connection terminals for the power supply and control line are intended for the through-wiring of further make-up lights (slave). The master-slave system has the advantage that the connected slave lamps are dimmed and switched synchronously with the master lamp. Autonomous operation of 2 master lamps is also possible. Up to 9 slave lamps can be connected to one master lamp. After the electrical connection of the lamp, the reflector is remounted and the plug connector is carefully connected to the LED lamp. Please ensure that the protective conductor is securely connected to the reflector. If space permits, the acrylic lamp shade is carefully pushed into the light from above or inserted from the front on one side, bent a little and snapped into the other side.



### 3. Operation

The brightness control can be used to adjust the light intensity in the range of 10-100%. A colour temperature controller is used to adjust the colour temperature in the range from 2700K (warm white) to about 6500K (cool white). Additional temperature sensors prevent the lamp from overheating. Nevertheless, we ask you not to cover the lamp to ensure sufficient cooling.

### 4. Maintenance, repair

As a rule, maintenance is limited to the normal cleaning of the light. Under no circumstances should solvent-containing cleaners be used for this purpose. Various household glass cleaners are well suited. Before cleaning, the light must be switched off or disconnected from the power supply, if possible. Please make sure that the LED lamp does not come into contact with cleaning agents and is protected from mechanical stress. The LED lamp used is an in-house development of ARNOLD Lichttechnik. Blown lamps can be replaced or exchanged very easily. The expected service life is at least 40,000 hours according to L70 (7K). This means an expected luminous flux of 70% after 40,000 hours of operation.

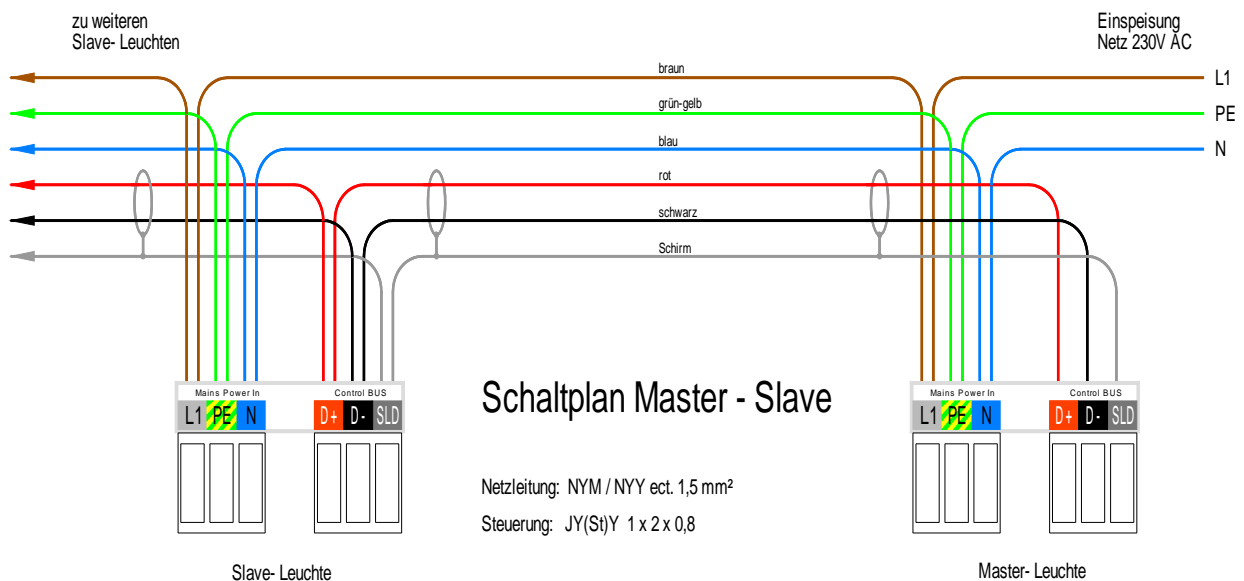
### 5. Specifications

Dimensions:	670 x 223 x 190 mm (H x W x D)
Weight:	5.5 kg
Housing:	sheet steel 1.5 mm, powder coating RAL 7035 (light grey)
Lamp shade:	acrylic glass, diffused lighting
Nominal illuminance:	1300 Lux at 0.60m (one lamp)
LED lamp: (exchangeable)	84 x SMD-LED 2700K 84 x SMD-LED 6500K

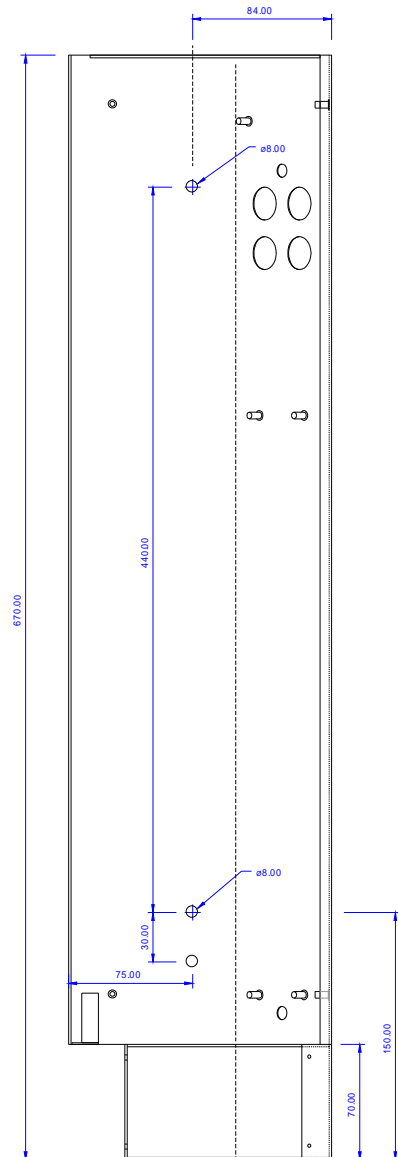
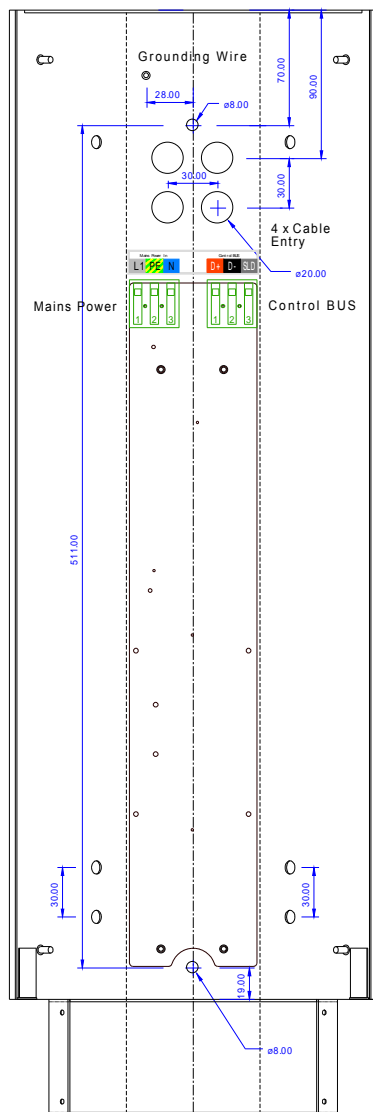
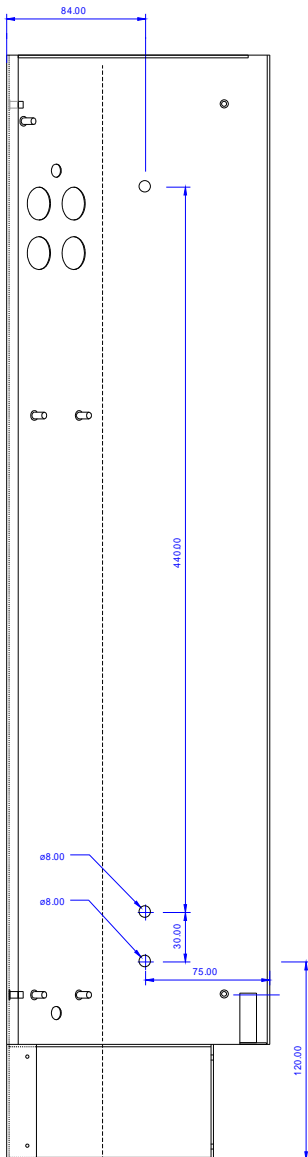
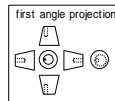
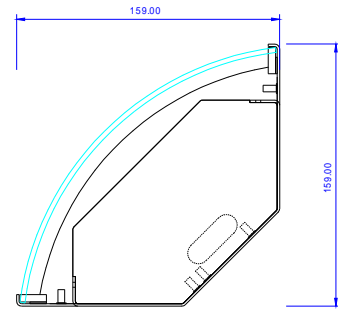
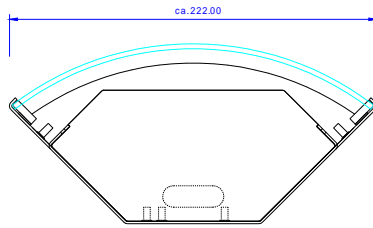
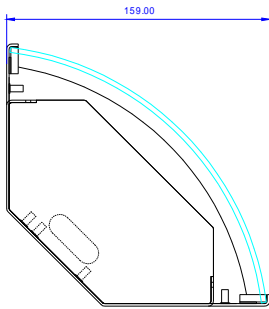
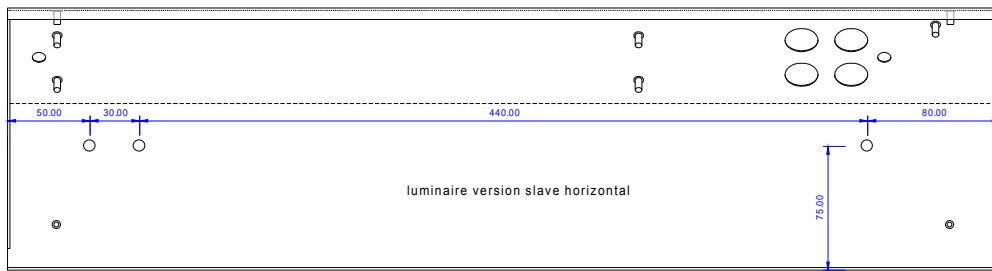
Colour Rendering Index (CRI)	90, typically 93
Brightness control:	continuously adjustable 10-100%
Photobiological safety: (DIN EN 62471)	Risk group: RG0 (no risk) (at a distance of 0.60m)
Colour temperature control:	continuously adjustable 2700K - 6500K
Power consumption:	about 20W
Operating voltage:	230V AC
Max. number of lamps: (for master and slave network)	10 pcs.

## 6. Electrical connection

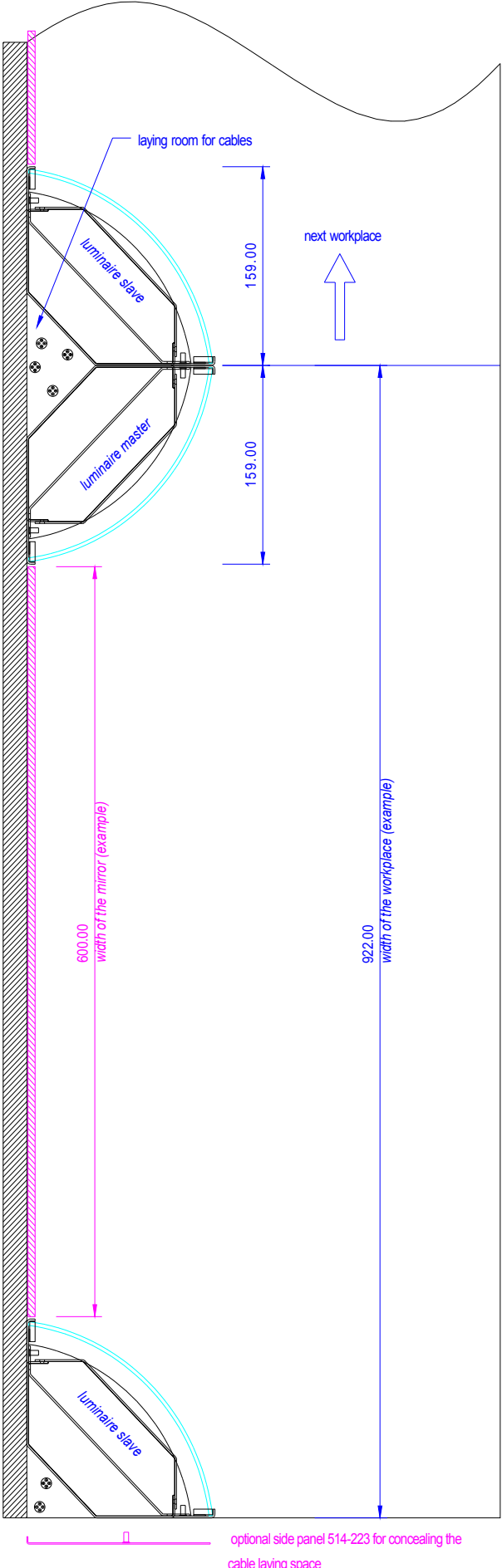
Power is supplied to the master lamp via a mains lead. The slave lamp is connected via a 3 x 1.5mm<sup>2</sup> connecting cable (mains) and a control cable JY(St)Y 1 x 2 x 0.8. When splitting the circuits, make sure that no more than 10 lamps are operated on one circuit breaker B16 or B10. The power terminal inside the lamp allows a looped through connection of the power circuits. The lamp does not have a mains switch, as the required quiescent current consumption in stand-by mode is less than 0.3W. If it should be necessary due to special regulations, an appropriate power switch must be installed in the fixed system.



# 7. Dimensions



### 8. Examples of installation





Bavarian Theatre Academy at the Prince Regent Theatre / GERMANY



State Playhouse Dresden / GERMANY



Bavarian State Opera / GERMANY

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